

## Amendments to the Claims

Please replace the Claims as shown below:

1. (Currently Amended) A method for facilitating the display of information of an electronic document for a selected pre-configured function, said method comprising:

rendering a workspace in a graphical user interface, said workspace comprises a first window for said electronic document, a second window for a catalog of available pre-configured functions operating on a microcontroller, and a third window for a histogram of available resources of said microcontroller;

after said rendering said workspace, receiving said selected pre-configured function that is based on a plurality of programmable system blocks, wherein a microcontroller comprises said plurality of programmable system blocks;

after said receiving, automatically rendering said electronic document in said first window of said workspace, said electronic document corresponding to said selected pre-configured function;

scanning for embedded indicators within code of said electronic document, said embedded indicators are hidden from a user, wherein each of said embedded indicators is for indicating a predetermined location within said electronic document;

in response to said scanning, automatically rendering within said workspace a graphic element for each corresponding embedded indicator, wherein said graphic element is rendered with a descriptive label according to information within said embedded indicator; and

in response to a graphic element being selected, scrolling jumping to a predetermined location within said electronic document corresponding to said selected graphic element and displaying information of said predetermined location; ~~and~~  
~~—corresponding to said selected graphic element, moving a scroll box to a location of a scroll bar that indicates a current location within said electronic document, said scroll bar and said scroll box for scrolling through said electronic document.~~

2. (Currently Amended) [[A]] The method as recited in Claim 1 wherein said workspace comprises a fourth window for a schematic of said selected pre-configured

~~function plurality of programmable system blocks comprises a matrix of interconnected analog blocks.~~

3. (Currently Amended) ~~[[A]]~~ The method as recited in Claim 1 wherein said electronic document is a datasheet providing technical details of said selected pre-configured function.

4. (Currently Amended) ~~[[A]]~~ The method as recited in Claim 1 wherein said electronic document is an HTML document.

5. (Currently Amended) ~~[[A]]~~ The method as recited in Claim 4 wherein said embedded indicators are embedded HTML anchors.

6. (Currently Amended) ~~[[A]]~~ The method as recited in Claim 1 wherein said electronic document is an XML document.

7. (Currently Amended) ~~[[A]]~~ The method as recited in Claim 1 wherein said workspace comprises a fourth window for listing any pre-configured functions selected from said second window ~~electronic document is selected from a catalog of documents.~~

8. (Currently Amended) ~~[[A]]~~ The method as recited in Claim 7 wherein said workspace comprises a fifth window for a schematic of said selected pre-configured function ~~Claim 3 wherein said pre-configured function is selected from a catalog of pre-configured functions.~~

9. (Currently Amended) ~~[[A]]~~ The method as recited in Claim 1 wherein said ~~graphic elements are~~ element is rendered adjacent to said electronic document.

10. (Currently Amended) ~~[[A]]~~ The method as recited in Claim 1 wherein an interaction with ~~[[said]]~~ a scroll bar of said first window activates a graphic element upon

passing a corresponding embedded indicator of said graphic element, such that a current location on said electronic document is rendered.

11. (Currently Amended) A computer system comprising:

a bus;

a display device coupled to said bus;

a memory unit coupled to said bus, and

a processor coupled to said bus, said processor for executing a method for facilitating the display of information of an electronic document for a selected pre-configured function, said method comprising:

rendering a workspace in a graphical user interface, said workspace comprises a first window for said electronic document, a second window for a catalog of available pre-configured functions operating on a microcontroller, and a third window for a histogram of available resources of said microcontroller;

after said rendering said workspace, receiving said selected pre-configured function that is based on a plurality of programmable system blocks, wherein a microcontroller comprises said plurality of programmable system blocks;

after said receiving, automatically rendering said electronic document in said first window of said workspace, said electronic document corresponding to said selected pre-configured function;

scanning for embedded indicators within code of said electronic document, said embedded indicators are hidden from a user, wherein each of said embedded indicators is for indicating a predetermined location within said electronic document; [[and]]

in response to said scanning, automatically rendering within said workspace a graphic element for each corresponding embedded indicator, wherein said graphic element is rendered with a descriptive label according to information within said embedded indicator; and

in response to a graphic element being selected, scrolling said electronic document to a predetermined location corresponding to said selected graphic element and displaying information of said predetermined location.

12. (Currently Amended) ~~[[A]]~~ The computer system as recited in Claim 11 wherein said workspace comprises a fourth window for a schematic of said selected pre-configured function ~~plurality of programmable system blocks comprises a matrix of interconnected digital blocks.~~

13. (Currently Amended) ~~[[A]]~~ The computer system as recited in Claim 11 wherein said electronic document is a datasheet providing technical details of said selected pre-configured function.

14. (Currently Amended) ~~[[A]]~~ The computer system as recited in Claim 11 wherein said electronic document is an HTML document.

15. (Currently Amended) ~~[[A]]~~ The computer system as recited in Claim 14 wherein said embedded indicators are embedded HTML anchors.

16. (Currently Amended) ~~[[A]]~~ The computer system as recited in Claim 11 wherein said electronic document is an XML document.

17. (Currently Amended) ~~[[A]]~~ The computer system as recited in Claim 11 wherein said workspace comprises a fourth window for listing any pre-configured functions selected from said second window ~~electronic document is selected from a catalog of documents.~~

18. (Currently Amended) ~~[[A]]~~ The computer system as recited in Claim 17 wherein said workspace comprises a fifth window for a schematic of said selected pre-configured function ~~Claim 13 wherein said pre-configured function is selected from a catalog of pre-configured functions.~~

19. (Currently Amended) ~~[[A]]~~ The computer system as recited in Claim 11 wherein said graphic elements ~~are~~ element is rendered adjacent to said electronic document.

20. (Currently Amended) ~~[[A]]~~ The computer system as recited in Claim 11 wherein an interaction with a scroll bar for scrolling through said electronic document activates a graphic element upon passing a corresponding embedded indicator of said graphic element, such that a current location on said electronic document is rendered.

21. (Currently Amended) A computer-usable medium having computer-readable program code embodied therein for causing a computer system to perform a method for facilitating the display of information of an electronic document for a selected pre-configured function, said method comprising:

rendering a workspace in a graphical user interface, said workspace comprises a first window for said electronic document, a second window for a catalog of available pre-configured functions operating on a microcontroller, and a third window for a histogram of available resources of said microcontroller;

after said rendering said workspace, receiving said selected pre-configured function ~~that is based on a plurality of programmable system blocks, wherein a microcontroller comprises said plurality of programmable system blocks;~~

after said receiving, automatically rendering said electronic document in said first window of said workspace, said electronic document corresponding to said selected pre-configured function;

scanning for embedded indicators within code of said electronic document, said embedded indicators are hidden from a user, wherein each of said embedded indicators is for indicating a predetermined location within said electronic document; ~~[[and]]~~

in response to said scanning, automatically rendering within said workspace a graphic element for each corresponding embedded indicator, wherein said graphic element is rendered with a descriptive label according to information within said embedded indicator; and

in response to a graphic element being selected, scrolling to a predetermined location within said electronic document corresponding to said selected graphic element and displaying information of said predetermined location.

22. (Currently Amended) ~~[[A]] The computer-usable medium as recited in Claim 21 wherein said workspace comprises a fourth window for listing any pre-configured functions selected from said second window~~ ~~plurality of programmable system blocks comprises a matrix of interconnected blocks.~~

23. (Currently Amended) ~~[[A]] The computer-usable medium as recited in Claim 21 wherein said electronic document is a datasheet providing technical details of said selected pre-configured function.~~

24. (Currently Amended) ~~[[A]] The computer-usable medium as recited in Claim 21 wherein said electronic document is an HTML document.~~

25. (Currently Amended) ~~[[A]] The computer-usable medium as recited in Claim 24 wherein said embedded indicators are embedded HTML anchors.~~

26. (Currently Amended) ~~[[A]] The computer-usable medium as recited in Claim 21 wherein said electronic document is an XML document.~~

27. (Currently Amended) ~~[[A]] The computer-usable medium as recited in Claim 21 wherein said workspace comprises a fourth window for a schematic of said selected pre-configured function~~ ~~electronic document is selected from a catalog of documents.~~

28. (Currently Amended) ~~[[A]] The computer-usable medium as recited in Claim 7 wherein said workspace comprises a fifth window for listing any pre-configured functions selected from said second window~~ ~~Claim 23 wherein said pre-configured function is selected from a catalog of pre-configured functions.~~

29. (Currently Amended) ~~[[A]]~~ The computer-usable medium as recited in Claim 21 wherein said graphic elements are element is rendered adjacent to said electronic document.

30. (Currently Amended) ~~[[A]]~~ The computer-usable medium as recited in Claim 21 wherein an interaction with a scroll bar of said first window for scrolling through said electronic document activates a graphic element upon passing ~~[[a]]~~ its corresponding embedded indicator ~~of said graphic element~~, such that a current location on said electronic document is rendered.

Claims 31-34 (Canceled)